

Message

From: Kay, Robert [rtkay@usgs.gov]
Sent: 4/18/2018 4:36:52 PM
To: Nordine, John [nordine.john@epa.gov]
Subject: Techalloy March 2018 Monthly Progress Report

John--I have reviewed the March 2018 Monthly Progress Report for the Techalloy facility in Union, Illinois. I hope you're feeling better by the time you see this e-mail. I have a couple of comments.

Progress Made this Reporting Period: discharge rate at the pump and treat wells continues its downward trend. Again, this issue needs to be addressed, but it appears this issue is being ignored. Per previous comments, Techalloy needs to explain what they intend to do to improve capture in this area and provide monthly updates of progress toward this goal.

Ex. 6 Personal Privacy (PP) Well Sample: again, the well that's actually being sampled in this area for this report is NOT the **Ex. 6 Personal Privacy (PP)** well. Techalloy is clear in the body of the letter that the sampled well is the "office" well, but it's still under the "irrigation well" heading. Minor point, but it might be better to have the heading be something like **Ex. 6 Personal Privacy (PP)** Well Samples" and specify in the text under the heading which if the wells is being sampled. Not a big deal if you decide to forego this comment.

CWI Quarterly Extraction Well Samples: some discussion of the results of this sampling should be provided--MCL exceedences, trends in concentration of major contaminants through time, potential effects of decreased pumping in EW-2 on results (TCE, PCE, TCA, trends appear to mirror pumping trends) and the implications for plume capture.

Picky point, but discussion of the pond sampling under the "Extraction Well" heading is inappropriate. If Techalloy is going to discuss the pond sampling, it should either be under a separate heading, or with the discussion of the pump and treat effluent, which is where they usually place this discussion.

--

Robert T. Kay
 U.S. Geological Survey
 Central Midwest Science Center
 650G Peace Road
 DeKalb, IL 60115
 815-752-2041
rtkay@usgs.gov